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Complete if Known

Application Number

Filing Date

8 February 1999

First Named Inventor

Roundhill, David

Group Art Unit

Examiner Name

Attorney Docket Number

ATL 187

(use as many sheets as necessary)

Sheet

1

of

3

U.S. PTO
09/247343

02/08/99

TS

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Date _____

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12-29-00

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PTO/SB/08B (10-96)

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
		Application Number	09/247,343		
		Filing Date	8 February 1999		
		First Named Inventor	Roundhill, David		
		Group Art Unit			
		Examiner Name			
Sheet	2	of	3	Attorney Docket Number	ATL 187

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
M	12	STARRITT, Evidence for ultrasonic finite amplitude distortion in muscle using medical equipment, JASA 77(1), Jan 1985 at 302-06	
	13	MUIR, Prediction of nonlinear acoustic effects at biomedical frequencies and intensities, Ult. in Med. & Biol., Bol. 6 at 345-57 (1980)	
	14	CARSTENSEN, Demonstration of nonlinear acoustical effects at biomedical frequencies and intensities, Ult. in Med. & Biol. Vol. 6 at 359-68 (1980)	
	15	STARRITT, The development of harmonic distortion in pulsed finite-amplitude ultrasound passing through liver, Phys. Med. Biol., Vol. 31, no. 12, 1401-09 (1986)	
	16	WARD, Non-linear propagation applied to the improvement of lateral resolution in medical ultrasound scanners, 1995 World Cong. on Ult. at 965-68	
	17	LAW, Ultrasonic determination of the nonlinearity parameter B/A for biological media, JASA 69(4), April 1981 at 1210-12	
	18	DUNN, ET AL., Nonlinear Ultrasonic Wave Propagation in Biological Materials, 1981 Ultrasonics Symposium at 527-32 (IEEE)	
	19	MUIR, Nonlinear Effects In Acoustic Imaging, Acoustical Imaging, vol. 9 at 93-109 (Plenum Press, NYC, 1980)	
	20	ICHIDA ET AL., Imaging the Nonlinear Parameter of a Medium, Ultrasonic Imaging, vol. 5 at 295-99 (Academic Press, 1983)	
	21	CHRISTOPHER, Finite Amplitude Distortion-Based Inhomogeneous Pulse Echo Ultrasonic Imaging, IEEE Tras. Ult., Ferro. & Freq. Contr., vol. 44, Jan 1997 at 123 and particularly p. 138	
V	22	BURNS ET AL., Harmonic Power Mode Doppler Using Microbubble Contrast Agents, J.E.M.U., vol. 16, no. 4 at 132-42 (Masson, Paris, 1995)	

Examiner Signature	Date Considered 12-29-00
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
M	23	BURNS, ET AL., Harmonic Imaging Principles and Preliminary Results, Angiology, vol. 47, no. 7. Part 2 at 563-574 (Jul. 1996 New York)	
	24	BURNS, Presentation of Papers Nos. 241, 243, 1046, 1438, 1682, 166, 169 Supplements to Radiology (Nov. 1992, vol. 185, Nov 1993, vol. 193, Nov. 1995, vol. 197, Nov. 1996, vol. 201)	
	25	VERKIOU, ET AL., Measurements of Harmonic Generation in a Focused Finite-Amplitude Sound Beam, J. Acoust. Soc. Am. 98(6) at 3439-42 (December 1995)	
	26	WARD, ET AL., Nonlinear Propagation Applied to the improvement of Resolution in Diagnostic Medical Ultrasound, J. Acoust. Soc. Am. 101(1) at 143-54 (January 1997), particularly p. 143	
	27	SCHROPE, ET AL., Simulated Capillary Blood Flow Measurement Using a Nonlinear Ultrasonic Contrast Agent, Ultrasonic Imaging 13 at 134-58 (Acu. Press 1992)	
V	28	SCHROPE, ET AL., Second Harmonic Ultrasonic Blood Perfusion Measurement, Ult. In Med. & Biol. 19(7) at 567-79 (Pergamon Press 1993)	

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